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Art For The Ear

X23
User Manual

Microlab Technology Co, .Ltd
Made in China
No:80-23-97-0001-03

All symbols and logo belong to the respective brand holder or registered holder. All specifications and information are subject to changes without further notice. Slight variations and differences might appear between the printed photos and actual product due to product enhancement.

High Fidelity Sound

Prior to first use, please read the manual carefully

Important Safety Instructions

Caution:
To reduce the risk of electric shock, do not dismantle the product and do not expose the apparatus to rain or moisture. No user-serviceable parts inside. Refer servicing to qualified personnel only.

Explanation of Graphical Symbols:

The lightning flash within an equilateral triangle is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute an electric shock to a person or persons.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNINGS:

1. Read Instructions - All the safety and operating instructions must be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be kept product for future reference.
3. Heed warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow instructions - All operating and use instructions should be followed.
5. Installation - Install in accordance with the manufacturer's instructions.
6. Power sources - This product should be operated only from the type of power source indicated by the marking adjacent to the power cord entry. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
7. Grounding or polarisation - the product is not required to be grounded. Ensure the plug is fully inserted into the wall outlet or extension cord receptacle to prevent blade or pin exposure. Some versions of the product are equipped with a power cord fitted with a polarized alternating line plug (a plug having one blade wide than the other). This plug will fit onto the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarised plug. When using an extension power-supply cord or a power-supply cord other than that supplied with the appliance ,it should be fitted with the appropriate moulded-on plugs and carry safety approval appropriate to the country of use.
8. Power cord protection - Power-supply cords should be routed so that they are not likely to be walked on, kinked or pinched by items placed on or against them, paying particular attention to cords from plugs, receptacles and the point where they exit from the appliance.
9. Overloading - Do not overload wall outlets, extension cords or multiple sockets, as this can result in a risk of fire or electric shock.
10. Ventilation - The product must be properly ventilated. Do not place the product on a bed, sofa, or other similar surface. Do not cover the product with any items such as tablecloths, newspapers, etc.
11. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products) including amplifiers that produce heat.No naked flame sources,such as lighted candles, should be placed on the apparatus.
12. Water and moisture - To reduce the risk of fire or electric shock, do not expose the product to train, dripping, splashing or excessive moisture such as in a sauna or bathroom. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
13. Object and Liquid Entry - Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. Do not place any object containing liquid on top of the product.
14. Cleaning - Unplug the product from the wall outlet before cleaning. The cabinet of the subwoofer may be cleaned by dusting with a dry cloth. If you wish to use an aerosol cleaning spray, do not spray directly on the cabinet; spray onto the cloth. Be careful not to damage the drive units.
15. Attachments - Do not use attachments not recommended by the product manufactures, as they may cause hazards.
16. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
17. Moving the product - A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
18. Unuse periods - The power cord of the appliance should be unplugged from the outlet during lightning storms or when the apparatus is left unused for a long period of time.

Technical Information

Specifications

Amplifier

Output power:	99 Watt RMS
Power distribution:	14 Watt x 5 + 29 Watt
Harmonic distortion:	< 0.3% 1W 1kHz
Frequency response:	30Hz - 20kHz
Signal/Noise ratio:	> 75dB
Separation:	> 50dB
Input sensitivity:	380mV
Nominal impedance:	4 ohm

Speakers

Tweeter driver type:	2.5" x 5
Tweeter rated power:	14 Watt
Bass driver type:	5.25" - X-bass
Bass rated power:	29 Watt
Frequency range:	30Hz - 20kHz

Interfaces:

Output:	RCA sockets
Input:	3.5mm Stereo, 2RCA

Power

Power supply:	AC 220V - 240V ~ 50Hz, 380mA
Fuse:	T800mA 250V

Dimensions

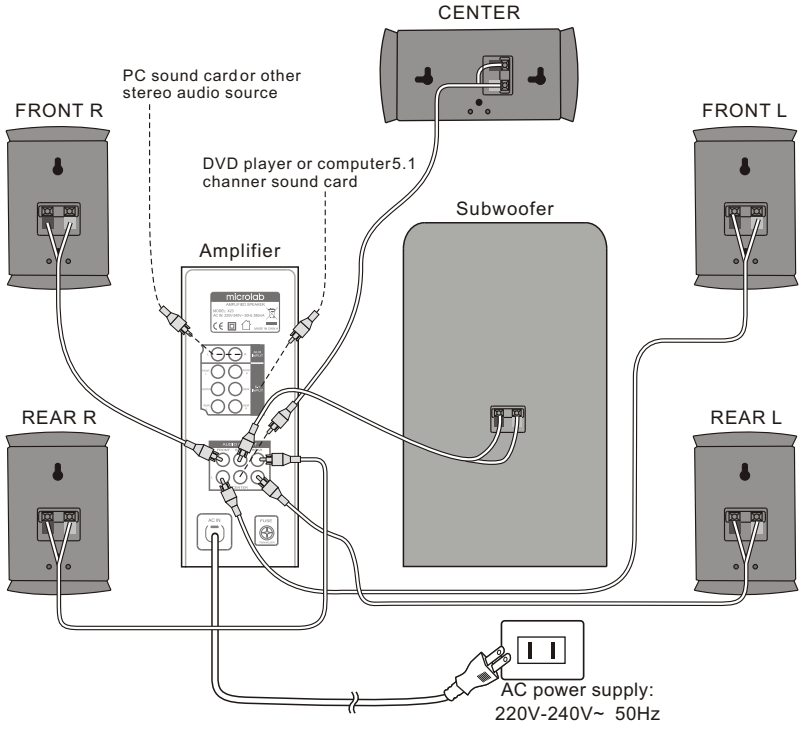
Subwoofer dimension:	205 x 480 x 370mm (W x H x D)
Satellites dimension:	89 x 102 x 217mm (W x H x D)
Amplifier dimension:	210 x 77 x 200mm (W x H x D)
Product net weight:	14.40kg

Frequently Asked Questions (FAQ)

	Solution
Power LED won't light up	Check if the system is powered on
	Check the power plug is well connected
No Sound	Check if the audio source is working well
	Check if the audio and speaker cables are well connected
	Check if the volume is at right level
One or more satellite no sound	Check if the satellite cable is well connected
No Bass	Check if the Bass Volume is at right level
Sound is distorted	Check if the volume is at lower level
Remote control not working	Check if the battery is in the remote control
If the problem still exists, please contact the distributor or ask for professional service	

Product connection and operation

Specifications



Instruction for system connection

1. Connect the Woofer, Front Left/Right, Center, Rear Left/Right Speaker Cables to the appropriate Audio Output Sockets on the back of the Amplifier.
2. Connect one end of the 2RCA-2RCA Signal Cable to the appropriate 5.1 Input Socket of the Front Left/Right, Center&Rear Left/Right Channel on the back of the Amplifier, the other end to the appropriate Audio Output Sockets on the DVD.
3. If connect to any 2-channel source, just connect one end of the 2RCA-2RCA signal cable to the R/L AUX Input Socket on the back of the Amplifier.
4. If connect to PC sound card or any source only with headset output, then please use the 2RCA-3.5mm Signal Cable.
5. Make sure all the cables are corrected correctly, connect the power plug to the correct AC outlet.

Remarks for the system positioning

- The satellite speakers of this system are magnetically shielded which could be positioned besides the PC monitor or near the TV.
- The woofer is recommended to be put on the floor to get a better acoustic effect and at least 0.6m away from the monitor or TV to avoid magnetic interference.
- The satellite speakers and the woofer should be positioned firmly to avoid resonance.

19. Servicing - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Please remove the power plug form the main power source or wall power source when not in use. When plugged in to a power source, the system is in standby mode, so the power is not entirely cut off.
21. Replacement parts - When replacement parts are required, ensure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
22. Mains fuses - For continued protection against fire hazard, use fuses only of the correct type and rating. The correct fuse specification for each voltage range is marked on the product.
23. Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speaker may be damaged when a peak level section is suddenly played.
24. The only means of completely disconnecting the product from the power supply is by removing the power cord from the wall outlet or the product. The wall outlet or the power cord entry to the product must remain freely accessible at all times while the product is in use.
25. Try to install the product near a wall socket or exetension cord and shall be easily accessible.
26. The highest environmental temperature suitable for this product is 40°C.

Introduction

Microlab premier range, the X series is based on the FINE CONE designed by Acoustic expert, Peter Larsen. This design follows strict discipline in speaker designs to achieve perfect linear frequency response curve. Uncolored audio, precise position, and high resolution with Microlab own eAirbass technology.

Features

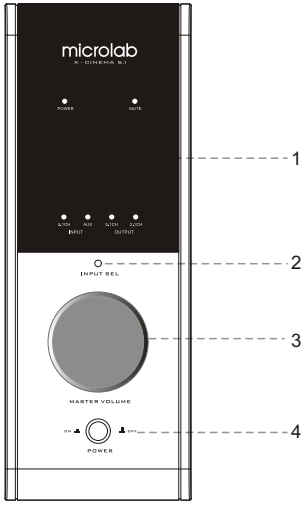
- 5.1 surround woofer system with full range acoustic production and compact stand satellites
- X-Bass design, Microlab own proprietory technology - Bass with natural depth and range
- 5.25" woofer system for deep vocal and bass effects. All magnetically shielded
- Designed by Denmark acoustic expert, Peter Larsen V12 FineCone technology
- Amplifier unit with full front controls and includes remote control

Package contents

X23 satellites	4pcs
X23 center satellite	1pc
X23 subwoofer	1pc
X23 amplifier unit	1pc
Remote control	1pc
Holder	5 stand
Signal cables	4pcs
Interconnect speaker cables	6pcs
User manual	1pc

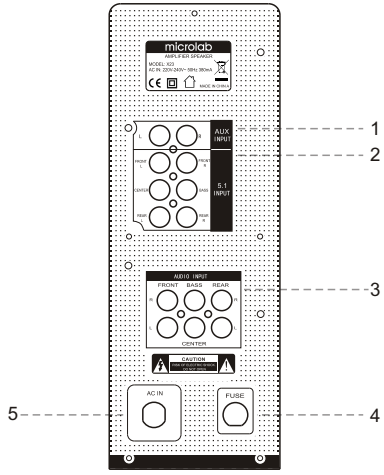
Illustrations

Front View of the Amplifier



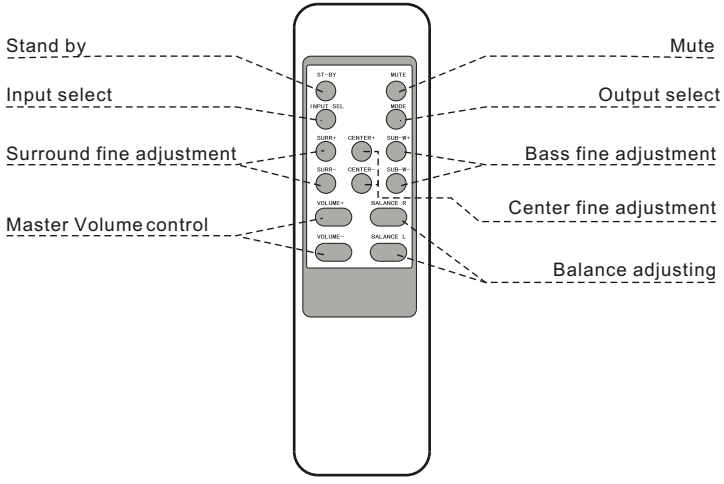
Controls on the frontof Amplifier
1. LED Display
2. Input select button
3. Master VolumeKnob
   The master volume could be adjusted eithermanually or remote control
4. Power button

Back View of the Amplifier



The rear of theAmplifier consists
1. Stereo Signal InputSocket (AUX)
2. 5.1 Channel (AC-3)Signal Input Socket
3. Audio OutputSocket
4. Fuse
5. AC power supply

Instruction for the Remote Control:



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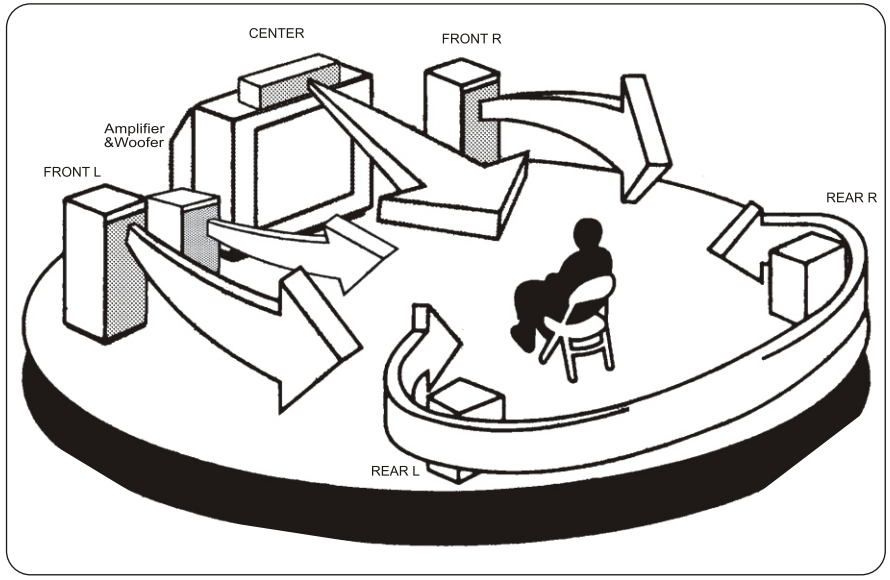
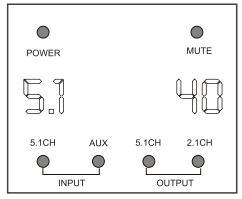


Product connection and operation

Operating instruction:
1. Manual operation
a. Depress the POWER button, and the POWER LED will illuminate. The system will go into standby mode.
b. Turn the MASTER volume knob and the POWER LED TURNS OFF. The 5.1CH LED illuminates and the display panel indicates 5.1 40 .
c. Depress INPUT SEL button and the Aux LED illuminates, and the display indicates 2.0 40 .
d. Start your playback device and adjust the volume to your preferred volume level.



2. Remote control
a. Depress the POWER button on the remote control and the POWER LED will illuminate. The system goes into standby mode.
b. Depress ST-BY button and the POWER LED turns off. The 5.1CH LED illuminates and the display paned indicates 5.1 40 .
c. Depress the volume button on the remote control, adjusting the level between 0-80dB.
e. Depress the SURR, CENTER or SUB-W to adjust surround, center and subwoofer volume separately, adjusting range -5dB~+5dB.
f. Depress the BALANCE R or BALANCE L to adjust FRONT R L volume separately and adjust between -5dB~+5dB range.
g. Depress mode and the 2.1CH output LED illuminates. The system switches from 5.1CH to 2.1CH output.
h. Depress MUTE and the MUTE LED blinks, and the system is muted. Depress again or press volum to release the system 8mm mute mode.